

ocket No. 202937US2S/ln



IN THE UNITED STATES PATENT AND TRADEMARK OFFICE

IN RE APPLICATION OF: Takashi TAKEUCHI, et al.

SERIAL NO: 09/778,071

GAU:

FILED: February 7, 2001

EXAMINER:

FOR: ULTRASONIC PROBE AND METHOD OF MANUFACTURING THE SAME

INFORMATION DISCLOSURE STATEMENT UNDER 37 CFR 1.97

ASSISTANT COMMISSIONER FOR PATENTS
WASHINGTON, D.C. 20231

SIR:

Applicant(s) wish to disclose the following information.

REFERENCES

- The applicant(s) wish to make of record the references listed on the attached form PTO-1449. Copies of the listed references are attached, where required, as are either statements of relevancy or any readily available English translations of pertinent portions of any non-English language references.
- A check is attached in the amount required under 37 CFR §1.17(p).

RELATED CASES

- Attached is a list of applicant's pending application(s) or issued patent(s) which may be related to the present application. A copy of the patent(s), together a copy of the claims and drawings of the pending application(s) is attached along with PTO 1449.
- A check is attached in the amount required under 37 CFR §1.17(p).

CERTIFICATION

- Each item of information contained in this information disclosure statement was cited in a communication from a foreign patent office in a counterpart foreign application not more than three months prior to the filing of this statement.
- No item of information contained in this information disclosure statement was cited in a communication from a foreign patent office in a counterpart foreign application or, to the knowledge of the undersigned, having made reasonable inquiry, was known to any individual designated in 37 CFR §1.56(c) more than three months prior to the filing of this statement.

DEPOSIT ACCOUNT

- Please charge any additional fees for the papers being filed herewith and for which no check is enclosed herewith, or credit any overpayment to deposit account number 15-0030. A duplicate copy of this sheet is enclosed.

Respectfully submitted,

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Group Art Unit:

STATEMENT OF RELEVANCY

Reference AF (JP 8-280674) on Form 1449:

This reference shows flash echo imaging technique to display perfusion in human tissue.

Reference AG (JP 9-214014) on Form 1449:

This reference discloses that electrode materials consists of metal and first glass content and composition for the single crystal. However, no information of the dicing properties are mentioned.

Reference AH (JP 11-318902) on Form 1449:

This reference shows technique to display flows in human body in B-mode imaging.

Reference AI (JP 11-155859) on Form 1449:

This reference shows a method of manufacturing the transducer that dices the single crystal electrode layer.

Reference AJ (JP 2000-14672) on Form 1449:

This reference discloses that a chipping prevention layers between single crystal and backing materials. However, no information of electrode and matching composition is mentioned.

Reference AK through AV on Form 1449:

These references are discussed in the specification.

Reference AY on Form 1449:

This reference discloses a difficulty of dicing procedure of piezo-electric single crystals.